403 – Anti-Static Non-Sparking Mortar

Cement-based conductive mortar with anti-static and non-sparking performance

Product Description

403 Anti-Static Non-Sparking Mortar is a cement-based composite mortar designed for industrial floors where static discharge and explosion risks must be prevented. Applied as a topping layer on new or existing concrete, it forms a dense, conductive, wear-resistant surface. The mortar ensures stable electrical conductivity, non-sparking safety, abrasion resistance, and long-term durability in petrochemical, electronics, logistics, and defense facilities.

Key Features & Benefits

• Provides stable anti-static conductivity.

• Non-sparking and non-combustible performance.

• Excellent wear resistance and surface durability.

• Strong bonding with existing concrete substrates.

• Prevents dusting, oil penetration and cracking.

• Suitable for both new construction and refurbishment projects.

Performance Parameters (SJ/T 10694-2006, GB 50209-2010)

Test Item	Standard Requirement	Measured Value(s)
Point-to-point resistance	1×10^5 – 1×10^10 Ω	1.05×10^7 Ω, 1.43×10^7 Ω, 3.71×10^7 Ω
Volume resistivity	1×10^5 – 1×10^9 Ω	4.06×10^7 Ω, 3.39×10^7 Ω, 4.11×10^7 Ω
Non-sparking property	No spark observed	No spark observed during test

Product Usage

• Light industry workshops and mechanical manufacturing plants.

• Electronics factories and precision instrument facilities.

• Petrochemical, pharmaceutical and logistics warehouses.

• High-value storage areas, airports, and defense bases.

• Explosion-prone zones requiring static and spark protection.

Packaging & Storage

• 25 kg moisture-proof composite bags.
• Shelf life: 6 months in dry, ventilated storage.
• Store away from moisture and direct sunlight; keep sealed after opening.

Disclaimer

The information in this Technical Data Sheet is based on laboratory tests and field applications and is provided in good faith. Sino-sina Building Materials Co., Ltd. makes no warranty for results obtained under conditions beyond its control. Users should verify product suitability through field trials before large-scale use.